

Notice of Allowability

Application No.

10/062,348

Applicant(s)

CHANG ET AL.

Examiner

Art Unit

Christopher J. Brown

2134

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 6/01/2006.
2. ☒ The allowed claim(s) is/are 1-12.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).


* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


KAMBIZ ZAND
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James Boice on 8/9/06.

The application has been amended as follows:

In claim 1, lines 3-4 **change** "only to a client computer, each of said keyfiles" **to** "only to a client computer, via a local input, each of said keyfiles".

In claim 5, line 5 **change** "only to a client computer, each of said keyfiles" **to** "only to a client computer, via a local input, each of said keyfiles".

In claim 9 line 5 **change** "only to a client computer, each of said keyfiles" **to** "only to a client computer, via a local input, each of said keyfiles".

The following is an examiner's statement of reasons for allowance:

Claims 1, 2, 4-6, 8-10, and 12 are rejected under 35 U.S.C. 103(a) as being unpatentable over Wrench JR. US 2002/0104025 in view of Sasaki US 6,378,071 in view of Schneier "Applied Cryptography".

As per claims 1, 2, 5, 6, 9, and 10 Wrench JR. teaches a system for establishing secure connection between a client and a server, [0017]. Wrench JR. teaches storing keyfiles comprised of private keys and certificates, [0004]. Wrench JR. teaches accessing the stored keyfiles via a password, [0028]. Wrench JR. teaches transmitting from client to server a digital certificate to perform authentication, [0004]. Wrench JR. teaches utilizing SSL, [0004].

Wrench JR does not teach the contents of the certificate. Wrench JR does not explicitly teach a plurality of different users.

Schneier teaches the definition of the standard X.509 certificate which includes a public key and the name of the authority that issued the public key, (page 574 Fig 24.2)

It would have been obvious to one of ordinary skill in the art to modify the system of Wrench JR with the X.509 certificate because it is widely used in public key cryptography.

As per claims Wrench JR. teaches using a password to access stored data, but failed to teach a unique identifier. Wrench fails to teach that the data storage is accessible only

to a client computer, via a local input. Wrench fails to teach each of said passwords being capable of opening only one of said keyfiles.

Sasaki teaches accessing securely stored information with both a unique identifier and a password, wherein the authentication unit determines if the user is one of a set of registered users, (Col 5 lines 38-46). Sasaki teaches accessing the stored encrypted data upon authentication, (Col 6 lines 30-43). Sasaki teaches the data stored in external storage is only accessible to the client, (Col 5 lines 40-45, Fig 3).

It would have been obvious for one of ordinary skill in the art to use the unique identifier password and encryption of Sasaki with the keyfile of Wrench JR. because the addition of the authentication increases security.

Sasaki fails to teach that the data storage is accessible only to a client computer, via a local input. Sasaki fails to teach each of said passwords being capable of opening only one of said keyfiles.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher J. Brown whose telephone number is (571)272-3833. The examiner can normally be reached on 8:30-6:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jaques Louis Jaques can be reached on (571)272-6962. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Christopher J. Brown

8/9/06


KAMBIZ ZAND
PRIMARY EXAMINER